

#### **CLAIMS**

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A method of searching streaming media presentations, the method comprising:

receiving a\search request including search criteria;

determining a temporal location in a streaming media presentation that corresponds to data of the media presentation that matches the search criteria; and returning an indication of the temporal location to a source of the request.

- 2. A method as recited in claim 1, further comprising saving a media data stream of the media presentation locally at a client computer if data in the media presentation matches the search criteria, otherwise not saving the media data stream locally at the client computer.
- 3. A method as recited in claim 1, wherein the determining comprises checking, for each of a plurality of individual media streams of the media presentation, whether data of the media stream matches the search criteria.
- 4. A method as recited in claim 1, wherein the determining comprises comparing data of media streams corresponding to a plurality of different media presentations to the search criteria.
- 5. A method as recited in claim 1, wherein the temporal location comprises a presentation time of the media presentation.

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6.		A	meth	od	as	rec	ited	in	claim	1,	whe	rein	the	me	dia	prese	ntatior
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- 7. A method as recited in claim 1, further comprising:
  seeking to the temporal location; and
  streaming of the media presentation to a client based on the temporal location.
- 8. A method as recited in claim 7, wherein the streaming comprises streaming the media presentation to the client beginning at the temporal location.
- 9. A method as recited in claim 1, wherein the returning comprises displaying the indication to a user.
- 10. A method as recited in claim 1, wherein the receiving comprises receiving the request from a client computer via a network.
- 11. A method as recited in claim 1, wherein the receiving comprises receiving the request, at an index server, from a media server via a network.
- 12. A method as recited in claim 1, wherein the determining comprises: accessing an index corresponding to an individual media data stream of the media presentation;

checking whether the search criteria matches data in the index; and

if the search criteria matches data in the index, then identifying a presentation time of the media presentation at which the search criteria are satisfied.

- 13. A method as recited in claim 1, wherein the search criteria comprises user-specified criteria.
- 14. A method as recited in claim 1, wherein the returning comprises sending the indication from an index server to a media server that is a source of at least part of the media presentation.
- 15. One or more computer-readable memories containing a computer program that is executable by a processor to perform the method recited in claim 1.

# 16. An apparatus comprising:

a memory device to store a plurality of multimedia data streams corresponding to a streaming multimedia presentation; and

a search engine, coupled to the memory device, to,

receive a search request corresponding to the multimedia presentation,

determine whether any of the multimedia data streams corresponding to the multimedia presentation satisfy search criteria corresponding to the search request, and

return an indication of whether any of the multimedia data streams satisfy the search criteria.

- 17. An apparatus as recited in claim 16, wherein the memory device comprises a random access memory.
- 18. An apparatus as recited in claim 16, wherein the apparatus comprises a multimedia server and the search engine is to receive the search request from a client computer via a network.
- 19. An apparatus as recited in claim 16, wherein the apparatus comprises a multimedia server and the search engine is to determine whether any of the multimedia data streams satisfy the search criteria by forwarding the search criteria to an index server.
- 20. An apparatus as recited in claim 16, wherein the apparatus comprises a client computer and the search engine is to receive a search request from a user of the client computer.
- 21. An apparatus as recited in claim 16, wherein the apparatus is to determine whether any of the multimedia data streams satisfy the search criteria by comparing, for each of the multimedia data streams, the search criteria to index data for the multimedia data stream.

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22. An apparatus as recited in claim 16, wherein the apparatus is to determine whether any of the multimedia data streams satisfy the search criteria by comparing, for each of the multimedia data streams, the search criteria to the data of the multimedia data stream.

#### 23. An apparatus as recited in claim 16, wherein:

the apparatus further comprises a streaming component to manage streaming of the multimedia data streams to a client computer;

the search engine is to identify a temporal location of the multimedia data streams that satisfies the search criteria and forward the temporal location to the streaming component; and

the streaming component is to stream the multimedia data streams to the client computer at a beginning temporal location based on the identified temporal location.

24. An apparatus as recited in claim 16, wherein the apparatus further comprises a data saving component to receive the multimedia data streams from a multimedia server and store the multimedia data streams in the memory device.

## 25. A system comprising:

a client computer, coupled to a network, to receive streaming data via the network; and

a multimedia server, coupled to the network, to stream the streaming data to the client computer, the multimedia server including one or more index files

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corresponding to the streaming data and a search engine to check whether data in the index files matches search criteria received from the client computer.

26. A system as recited in claim 25, wherein the client computer comprises a demultiplexer to separate the streaming data into individual media streams, and a data saver to save the individual media streams at the client computer.

## **27.** A system comprising:

a client computer, coupled to a network, to receive streaming data via the network;

a multimedia server, coupled to the network, to stream the streaming data to the client computer; and

an index server, coupled to the network, to store index files corresponding to the streaming data and to check, upon receipt of a search request, whether any portion of the streaming data matches search criteria of the search request based at least in part on the contents of the index files.

#### **28.** A method comprising:

identifying a set of search criteria to be compared to data of a streaming media presentation;

transmitting the set of search criteria to a server; and

receiving an indication of whether the search criteria match any portion of the streaming media presentation.

29. A method as recited in claim 28, wherein the receiving an indication
comprises receiving the streaming media presentation beginning at a temporal
location corresponding to a portion of the streaming media presentation that
matches the search criteria.

- 30. A method as recited in claim 28, wherein the transmitting comprises transmitting the set of search criteria to an index server.
- 31. A method as recited in claim 28, further comprising storing the streaming media presentation locally.
- 32. One or more computer-readable memories containing a computer program that is executable by a processor to perform the method recited in claim 28.

## 33. A method comprising:

receiving a plurality of media streams as streaming data from a multimedia server;

storing the plurality of media streams locally; and

generating a markup document describing how the plurality of media streams are to be presented and referencing the locally stored plurality of media streams.

the multimedia server.

34.	A m	ethod\as re	cited in cla	im 33, v	vherein 1	the receiv	ing th	e plurality
of media	streams	comprises	receiving	the plur	ality of	streams	as a	composite
media strea	am.	\						

- 35. A method as recited in claim 33, wherein the generating comprises: receiving, from the multimedia server, an original markup document referencing the plurality of media streams stored at the multimedia server; and modifying the original markup document to reference the plurality of locally stored media streams rather than the plurality of media streams stored at
- 36. A method as recited in claim 33, further comprising: receiving a search request with search criteria; and accessing the locally stored plurality of media streams to determine whether the search criteria is satisfied by a portion of the plurality of media streams.
- 37. A method as recited in claim 33, further comprising:
  receiving a plurality of index files corresponding to the plurality of media streams; and
  storing the plurality of index files locally.
- 38. One or more computer-readable memories containing a computer program that is executable by a processor to perform the method recited in claim 33.

39. One or more computer-readable media having stored thereon a computer program that, when executed by one or more processors, causes the one or more processors to perform functions including:

receiving a markup document, from a multimedia server, that references a plurality of multimedia data streams at one or more remote media servers, and that identifies how the plurality of multimedia data streams are to be presented at a client computer;

receiving the plurality of multimedia data streams from the one or more remote media servers;

storing the plurality of multimedia data streams locally at the client computer;

modifying the markup document to reference the plurality of locally stored multimedia data streams rather than the plurality of remotely stored multimedia data streams; and

storing the modified markup document.

40. One or more computer-readable media as recited in claim 39, wherein the computer program further causes the one or more processors to perform functions including subsequently using the modified markup document to present the plurality of locally stored multimedia data streams at the client computer.

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42. One or more computer-readable media as recited in claim 39, wherein the computer program further causes the one or more processors to perform functions including:

receiving a plurality of index files corresponding to the plurality of multimedia data streams; and

storing the plurality of index files locally at the client computer.

43. One or more computer-readable media as recited in claim 42, wherein the computer program further causes the one or more processors to perform functions including:

receiving a search request from a user;

checking the plurality of locally stored index files to determine whether any portion of the locally stored multimedia data streams correspond to the search request; and

indicating to the user whether any portion of the locally stored multimedia data streams correspond to the search request.

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